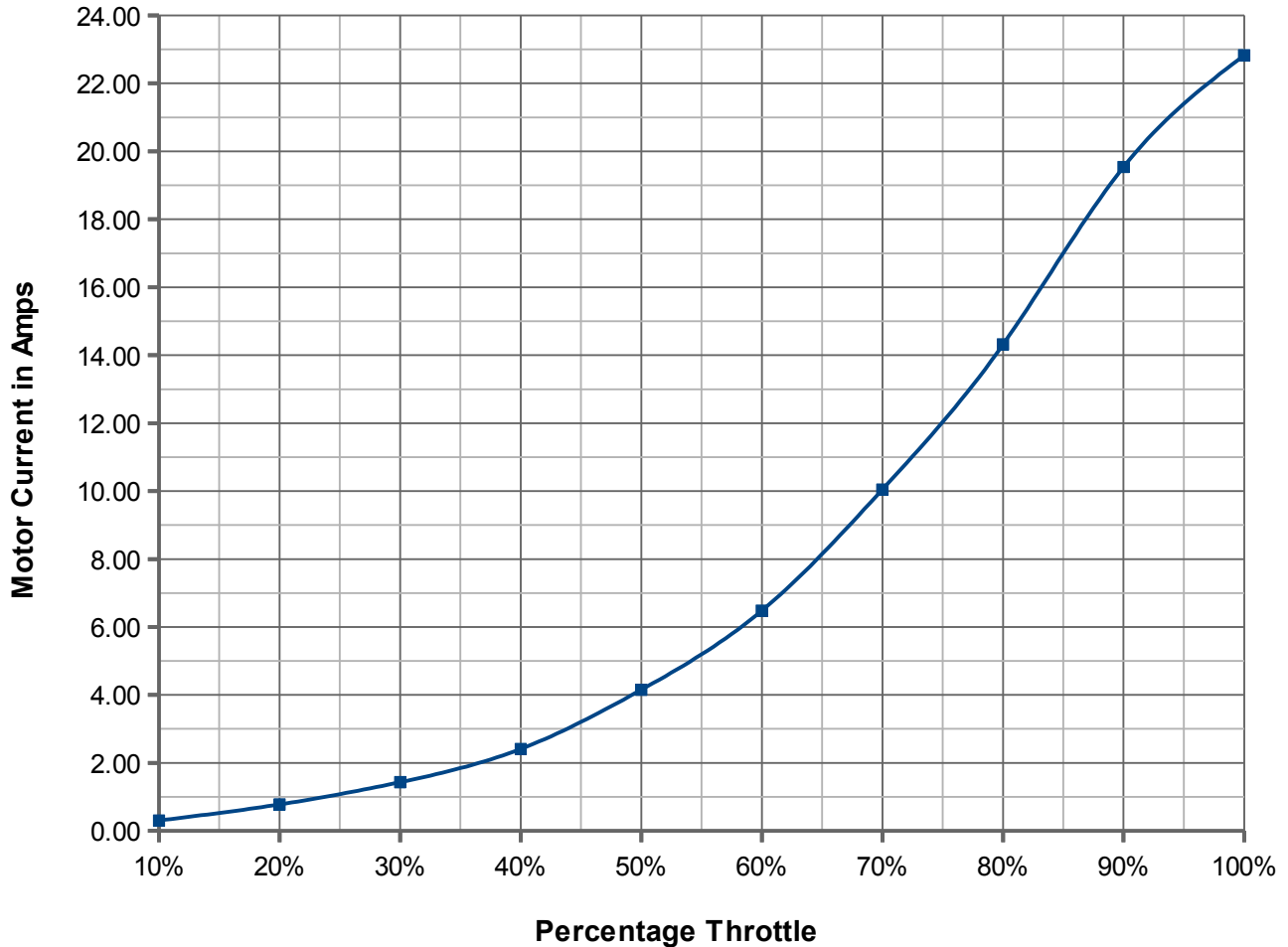


# Cobra CM-2820/24 Motor Test Data, Kv=490

Data Collected at 22.2 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.30	6.75	1,850	91.7	3.23	13.59
20%	0.78	17.29	2,768	201.7	7.11	11.66
30%	1.43	31.83	3,480	329.5	11.61	10.35
40%	2.41	53.52	4,201	494.9	17.44	9.25
50%	4.15	92.20	5,032	738.3	26.02	8.01
60%	6.48	143.88	5,823	996.7	35.13	6.93
70%	10.05	223.02	6,646	1350.2	47.58	6.05
80%	14.32	317.82	7,390	1688.3	59.50	5.31
90%	19.54	433.81	8,057	2066.3	72.82	4.76
100%	22.83	506.74	8,408	2257.9	79.57	4.46

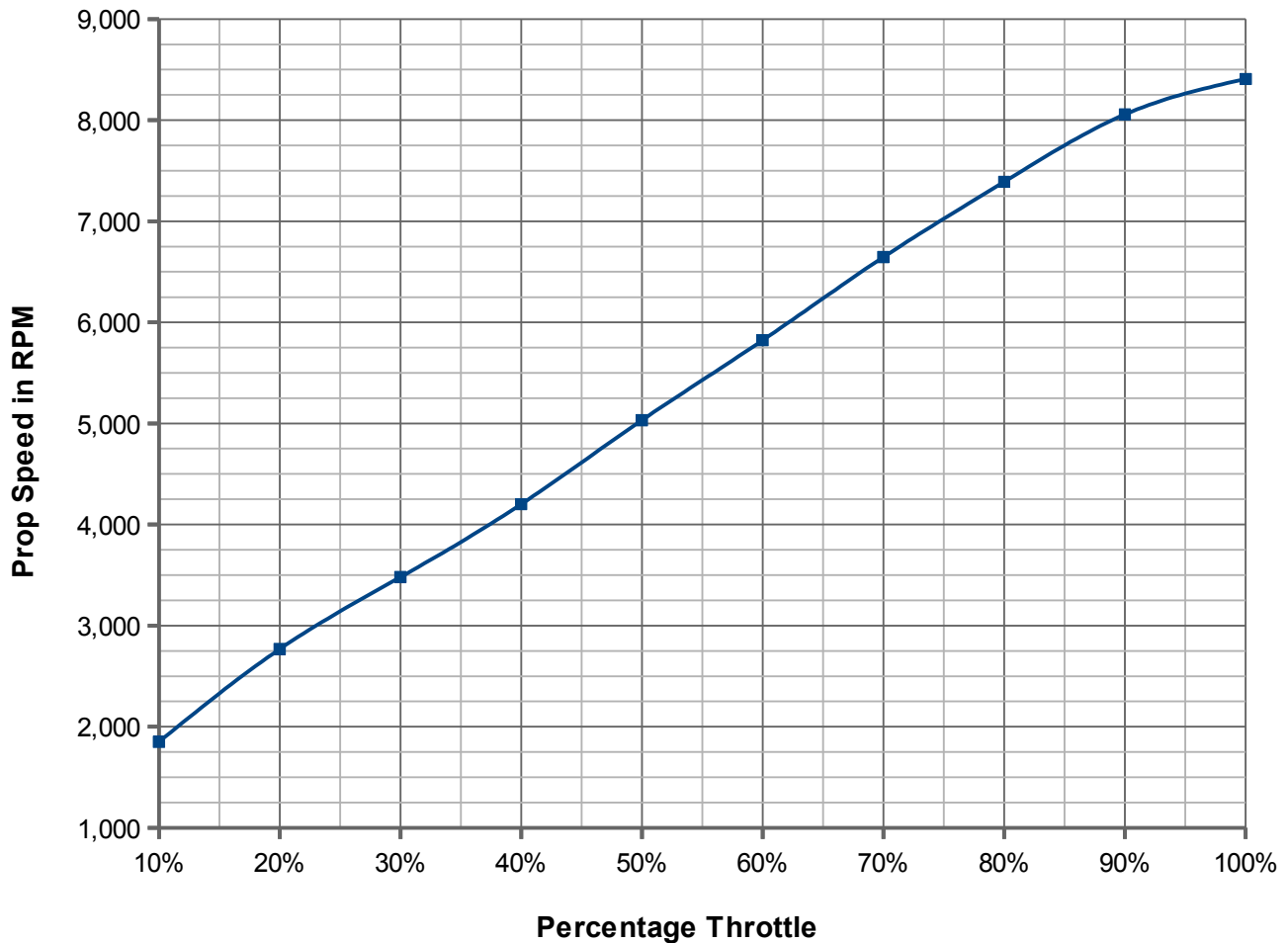
## Motor Current vs Throttle Position



# Cobra CM-2820/24 Motor Test Data, Kv=490

Data Collected at 22.2 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.30	6.75	1,850	91.7	3.23	13.59
20%	0.78	17.29	2,768	201.7	7.11	11.66
30%	1.43	31.83	3,480	329.5	11.61	10.35
40%	2.41	53.52	4,201	494.9	17.44	9.25
50%	4.15	92.20	5,032	738.3	26.02	8.01
60%	6.48	143.88	5,823	996.7	35.13	6.93
70%	10.05	223.02	6,646	1350.2	47.58	6.05
80%	14.32	317.82	7,390	1688.3	59.50	5.31
90%	19.54	433.81	8,057	2066.3	72.82	4.76
100%	22.83	506.74	8,408	2257.9	79.57	4.46

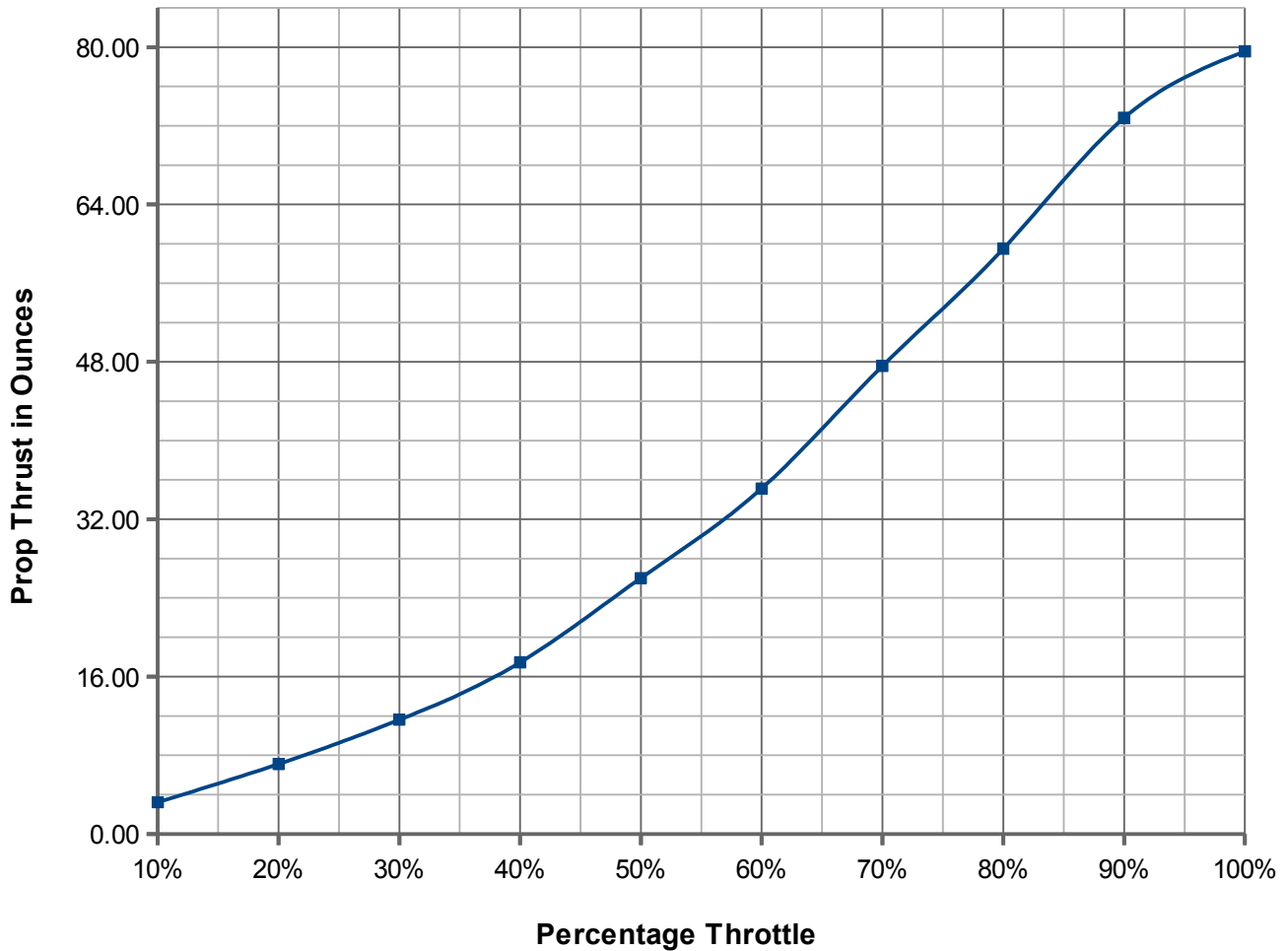
## Propeller RPM vs Throttle Position



# Cobra CM-2820/24 Motor Test Data, Kv=490

Data Collected at 22.2 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.30	6.75	1,850	91.7	3.23	13.59
20%	0.78	17.29	2,768	201.7	7.11	11.66
30%	1.43	31.83	3,480	329.5	11.61	10.35
40%	2.41	53.52	4,201	494.9	17.44	9.25
50%	4.15	92.20	5,032	738.3	26.02	8.01
60%	6.48	143.88	5,823	996.7	35.13	6.93
70%	10.05	223.02	6,646	1350.2	47.58	6.05
80%	14.32	317.82	7,390	1688.3	59.50	5.31
90%	19.54	433.81	8,057	2066.3	72.82	4.76
100%	22.83	506.74	8,408	2257.9	79.57	4.46

## Propeller Thrust vs Throttle Position



# Cobra CM-2820/24 Motor Test Data, Kv=490

Data Collected at 22.2 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.30	6.75	1,850	91.7	3.23	13.59
20%	0.78	17.29	2,768	201.7	7.11	11.66
30%	1.43	31.83	3,480	329.5	11.61	10.35
40%	2.41	53.52	4,201	494.9	17.44	9.25
50%	4.15	92.20	5,032	738.3	26.02	8.01
60%	6.48	143.88	5,823	996.7	35.13	6.93
70%	10.05	223.02	6,646	1350.2	47.58	6.05
80%	14.32	317.82	7,390	1688.3	59.50	5.31
90%	19.54	433.81	8,057	2066.3	72.82	4.76
100%	22.83	506.74	8,408	2257.9	79.57	4.46

## Propeller Efficiency vs Throttle Position

